Cefsulodin sodium salt hydrate

Product Number  C 8145
Storage Temperature  2-8 °C

Product Description
Molecular Formula:  C_{22}H_{19}N_{4}O_{8}S_{2}Na (anhydrous)
Molecular Weight:  554.5
CAS Number:  52152-93-9

Cefsulodin is a third-generation cephalosporin antibiotic that has very specific activity against \textit{Pseudomonas aeruginosa}. It has no significant activity against other Gram-negative bacteria and very limited activity against Gram-positive bacteria and anaerobic bacteria.\textsuperscript{1,2}

Penicillin-binding protein 3 (PBP3) has been proposed as the principal target for cefsulodin in \textit{Pseudomonas aeruginosa}.\textsuperscript{3} Cefsulodin has also been found to limit the adherence of \textit{Pseudomonas aeruginosa} and \textit{Pseudomonas fluorescens} to human fibronectin.\textsuperscript{4}

Precautions and Disclaimer
For Laboratory Use Only. Not for drug, household or other uses.

Preparation Instructions
This product is soluble in water (50 mg/ml), yielding a clear, colorless to yellow-green solution.

References